

REMARKS

Substitute Specification

Enclosed herewith is a substitute specification excluding the claims in compliance with 37 CFR 1.125 to replace the specification of record. A specification with markings is also submitted herewith showing the changes made to the originally filed specification. The specification is amended to identify each amino acid and nucleotide sequence with a corresponding SEQ ID NO. **No new matter is introduced by the submission of the substitute specification.**

Sequence Listing

Enclosed herewith in full compliance with 37 C.F.R. §§1.821-1.825 is a Substitute Sequence Listing to be inserted into the specification as indicated above. The Substitute Sequence Listing in no way introduces new matter into the specification. Also submitted herewith in full compliance with 37 C.F.R. §§1.821-1.825 is a disk copy of the Substitute Sequence Listing. The disk copy of the Sequence Listing, file "2006-01-26 0933-0246PUS1.ST25", **is identical to the paper copy**, except that it lacks formatting. The Sequence Listing is amended to include the nucleotide primer sequences from the specification and the amino acid sequences from figures 11 and 13. The Sequence Listing was further amended to correct formatting errors and to identify the present application by filing date and serial number. **No new matter is introduced by these amendments.**

Application No. 10/537,102

Docket No.: 0933-0246PUS1

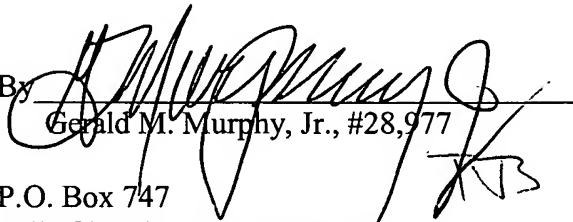
If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

FEB 10 2006

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By


Gerald M. Murphy, Jr., #28,977

P.O. Box 747
Falls Church, VA 22040-0747
(703) 205-8000

GMM/TJS/psq
0933-0246PUS1

Attachments:

- Substitute Specification (clean copy)
- Substitute Specification (version with markings)
- CRF disk Copy of Sequence Listing
- Paper copy of Sequence Listing
- Copy of Notice to Comply